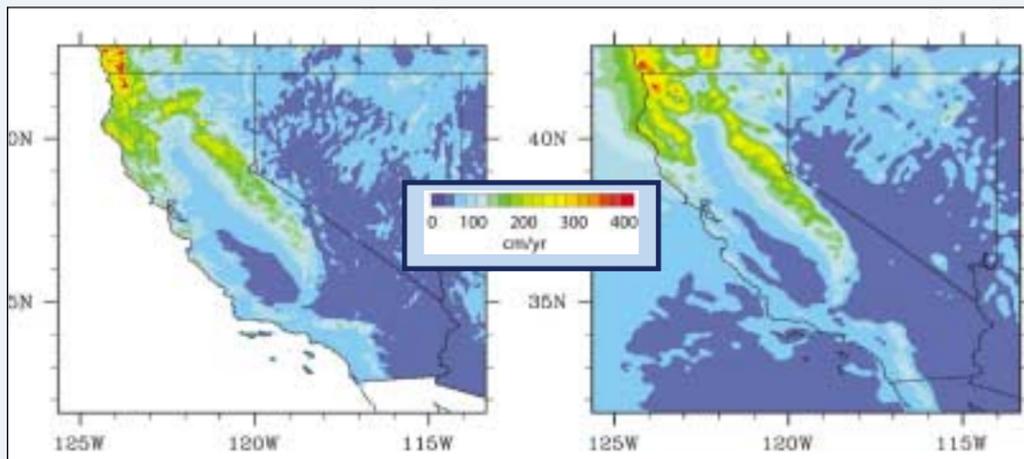




Global warming affects California water



Left, observed precipitation from 1971-2000. Right, an LLNL climate model at 9-kilometer resolution closely mirrors the actual precipitation shown at left.

By Anne M. Stark

NEWSLINE STAFF WRITER

An increase in global climate temperatures is already affecting the water availability in California, and it's likely to get worse as the century progresses.

Using climate and hydrological models, Phil Duffy, deputy division leader of the

Lab's Atmospheric Science Division, along with colleagues, have shown that if the trend of global warming continues, there will be less snow, more rain, less available water and an increased chance of floods in California.

"We've looked at the global climate change in the region because of the water

WATER, page 7

LANL places 19 employees on leave as DOE, NNSA continue investigations

Department of Energy Secretary Spencer Abraham has directed Deputy Secretary Kyle McSlarrow and Linton Brooks, administrator of the National Nuclear Security Administration, to take personal charge of the investigation into the recent security lapses at Los Alamos National Laboratory.

They conducted their initial visit on Sunday and Monday and briefed the secretary on their observations. McSlarrow and Brooks have thus far concluded that the failure to follow appropriate procedures is widespread and extends beyond the security area. As a result, they concluded that Los Alamos lacks an effective system to ensure the proper accountability of so-called Controlled Removable Electronic Media (CREM) such as computer disks and hard drives.

While they were impressed with the strong action being taken by the Laboratory Director Pete Nanos, they are concerned that some within the laboratory work force fail to understand the seriousness of the situation.

"This clearly illustrates the need both for immediate, effective and permanent corrective action and for meaningful administrative and disciplinary action at an appropriate time," Abraham said.

As a result of the McSlarrow and Brooks report, Abraham directed that classified operations involving CREM will not resume until McSlarrow and Brooks

ABRAHAM, page 7

Manager updates employees on issues involving Lab pool closure

By Anne M. Stark

NEWSLINE STAFF WRITER

Managers discussed issues involving the Lab pool and its closure with interested employees at a brown bag lunch meeting recently.

The pool closed June 25 after inspections of the area surrounding the pool identified potentially serious structural integrity and safety concerns.

During the July 13 meeting, Deputy Director of

Operations Glenn Mara reviewed the preliminary results of a report outlining the engineering and safety issues. "I'd like to clear up the air," he said. "We closed the pool very quickly and unexpectedly and there was some confusion on what we had done and why."

Mara explained that in early June, Lab employees recognized that the pool was leaking at a rate faster than before. "In June, the water leakage for the pool increased tenfold," Mara said. "We were losing water at a rate of 25,000 to 30,000 gallons per day.

The leak was so large, the Laboratory had to notify the San Francisco Bay Regional Water Quality Control Board."

To better understand the source of the leak, and evaluate patching methods, an external pool expert was brought in. While the expert was concerned about the rate of water loss, he pointed out to Lab management that there were additional issues — major structural concerns that could not be ignored.

POOL, page 7

Lab cyber cops wipe out new strain of Beagel virus that wormed into Lab e-mail

By David Schwoegler

NEWSLINE STAFF WRITER

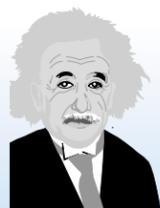
On Monday, a worm called Beagel began crawling around some Livermore computers. This malicious computer code began hitting the external e-mail gateways first thing Monday morning, according to the Lab's Network Security Team.

By early afternoon, the code had wormed its way into the Laboratory.

COMPUTERS, page 7

Tauscher honored as a 'Champion of Science'

The Science Coalition recently honored Congresswoman Ellen Tauscher as a "Champion of Science." It was the second time Tauscher has received the award. The coalition is a Washington D.C.-based alliance of more than 400 organizations dedicated to sustaining the federal government's commitment to US leadership in basic science. For her efforts, Tauscher was given a special Wheaties box featuring her picture and her "Champion of Science" stats. "Scientific innovation keeps our country moving forward with discovery and ingenuity," said Tauscher, whose district includes the Lab and Sandia-Livermore. "I am honored to be named a recipient of this award again this year and will continue my commitment to science."



Get science this weekend

— Page 2



Stamping out breast cancer

— Page 5



Owl's well at Site 300

— Page 8



LAB COMMUNITY NEWS

Weekly Calendar

Technical Meeting Calendar, page 4

Saturday
24

There will be is **scheduled power outage** from 7 a.m. today until 3 p.m. Sunday. Bldgs. 501, 515, 519, 519A, 520, 522, 523, 525, 610, 611, 612, 612A, 614,

615, 616, 619, OS621 (N/Gas filling station), 622, 623, 624, 625, 639, Echo Post (Sandia) and Trailers: 5105, 5125, 5198, 5225, 5226, 6127, 6178, 6179, 6197, 6197B, 6198, 6199, 6199A, 6199B, 6203, 6205, 6297, 6325 will be affected. Air conditioning, heating and elevators also will be affected. For questions, contact Mark Cardoza, 3-0490.

...

HERS Breast Cancer Foundation presents "Magic Happens," a Las Vegas-style magic show with illusionist Ryan M. Adler at 6:15 p.m. today at the California School for the Deaf, 39350 Gallaudet Drive, Fremont. The cost is \$30 for adults or two for \$50, \$15 for youth or two for \$20. Ticket price includes the show, refreshments and a silent auction. As a 501C(3) non-profit organization, 70 percent of each ticket is tax deductible. For tickets, call (510) 505-9255 or e-mail magic@hersfund.org.

Tuesday
27

A **Fidelity retirement counselor** will be available today and Aug. 4 and 11 to assist with: assessing the current state of retirement accounts,

learning how to diversify, planning asset allocation, and identifying income strategies. Fidelity Investments Mutual Funds are available to UC's workplace retirement plan participants in addition to the UC-managed investments pools. If you would like to set a consultation with a Fidelity representative, call 800-642-7131. When calling, be sure to specify that you are an LLNL employee.

Friday
30

The Benefits Office will continue the **brown-bag series** on how to enhance your financial security by participating in the Tax-

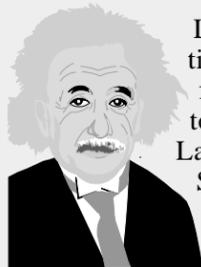
Deferred 403(b). The next session will be held today from 12:15-1:15 p.m. in Bldg. 571, conference room 2301. Additional sessions will be held on the last working day of each month (excluding November and December) throughout 2004. Attendance is open and no pre-registration is required. Bring your lunch and your questions. For additional information about benefit services or events, see the Website at www.llnl.gov/llnl/02employment/benefits/seminars.htm.

UP
&
COMING

The **2004 Student Poster Symposium** will take place 3-5 p.m. on Thursday, Aug. 12. The symposium seeks to promote undergraduate

and graduate student research by providing a forum to experience the art of presenting technical research. Participants will develop an understanding of the scientific research process. To register, visit the Symposium Website, <http://education.llnl.gov/symposium/>.

Discovery Center hosts 'Got science?'



Looking for a fun, educational activity for family, friends and summer visitors? Bring them to the Lab's Discovery Center this Saturday, July 24, from 10 a.m. to 2 p.m., when the Public Affairs Office will

present "Got Science? Discover Science Saturday" a fun-filled day of hands-on activities, displays and demos showcasing science and technology for enthusiasts of all ages.

For more information, call Linda Lucchetti, 2-5815, or visit the Web at <http://www.llnl.gov/llnl/06news/Community/lecture.html>

LLESA sponsors logo contest to replace retiring Mona LLESA

Mona LLESA is going to retire. Submit the winning design for a new logo to represent the Livermore Laboratory Employee Services Association (LLESA) and you'll win a mini iPod. A contest entry form can be found on the LLESA Web page <http://llesa.llnl.gov/> under the paint palette titled LLESA Logo Contest or at the LLESA Office located in Bldg. 415, room 142. Contest entries must be received in the LLESA Office by 4:30 p.m. on Friday, Sept. 10.

Contest guidelines also can be found on the LLESA Website.

A completed entry form must accompany a printed copy of the logo design and be sent to the LLESA Office at L-429. If the logo was designed on a computer, a file may also be sent to the office via e-mail to teuscher1@llnl.gov. In all cases, a printed copy must be submitted.

The winning entry becomes property of LLESA Inc. and will be used at its discretion, which will include publishing it in informational and promotional materials.

The winning design will be announced Monday, Oct. 4.

IN MEMORIAM

Frank S. Eby

Frank S. Eby, a Pleasanton resident, died June 22.

A native of Missouri, Eby attended school in Kansas City, Mo. and was first employed there by Great Lakes Pipe Line Co. He joined the Army Air Corps in 1942 and attended navigation school at Hondo AAFB. After a tour as a flight instructor in navigation at Victorville AAFB, he served as navigator/bombardier in a B-25 assigned to the 396th Combarndment Squadron in the Pacific Theater.

After World War II, he attended the University of Illinois where he obtained a bachelor's of science in engineering physics and a Ph.D. in nuclear physics. He joined the pure-fusion energy research project at the Laboratory in 1954. Following the Soviet launch of Sputnik in 1957 he transferred to the Lab's fission device design program. He

worked in the "small weapons" program for more than 20 years, five years as program head. He was named senior scientist in 1972. After cessation of underground nuclear testing, he joined the Special Projects Division. At the conclusion of his work in that division in 1991, the director of Central Intelligence awarded Eby the Intelligence Community Medallion.

He is survived by his wife, Nancy, of Pleasanton; two daughters, Elizabeth Ebert of Melbourne, Australia and Susan Chism of Houston, Texas; a son, Carl Eby of Beaufort, South Carolina and five grandchildren.

At his request, memorial services will be held privately. Donations may be made to Hope Hospice of Dublin, 6500 Dublin Blvd., Dublin 94568.

Earl Williams

Earl Williams, a 38-year resident of Livermore, died July 8. He was 75.

Born in Dayton, Ky., on Jan. 23, 1929, Williams joined the U.S. Navy in 1944. He attended photography school in Connecticut in 1948 and later attended Nevada State College in 1960.

He worked for 25 years at the Laboratory, spending the first six years of his career photographing the Nevada Test Site. He retired in 1991 and worked for the Callaghan Mortuary.

He was a member of the Masonic Lodge of Livermore, No. 218, the Venerable Master of the Scottish Rite in Oakland, and he later joined the Aahmes Shriners. He also was a member of the Livermore Rod and Gun Club and the National Rifle Association. Williams spent his spare time hunting deer and ducks.

He is survived by his wife of 56 years, Marguerite Ellen Williams; his daughters, Karen Garrels of Virginia Beach, Va., Yvonne Williams of Martinez and Gwyn Bailey of Livermore; his son, Keith Williams of Grand

Junction, Colo.; seven grandchildren and four great-grandchildren.

Funeral services have been held.

Newsline

Newsline is published weekly by the Internal Communications Department, Public Affairs Office, Lawrence Livermore National Laboratory (LLNL), for Laboratory employees and retirees.

Contacts:

Media & Communications manager: Lynda Seaver, 3-3103

Newsline editor: Don Johnston, 3-4902

Contributing writers: David Gilbert, 296-5643; Bob Hirschfeld, 2-2379; Charles Osolin, 2-8367; David Schwoegler, 2-6900; Anne M. Stark, 2-9799; Stephen Wampler, 3-3107. For an extended list of Lab beats and contacts, see <http://www.llnl.gov/llnl/06news/NewsMedia/contact.html>

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Telephone: (925) 422-4599; Fax: (925) 422-9291

e-mail: newsline@llnl.gov or newsonline@llnl.gov

Web site: <http://www.llnl.gov/PAO/>

AROUND THE LAB



Construction prompts temporary closure of Sandia parking lot

Effective Monday, July 26, parking will be partially restricted in the Lab's B-99 parking lot because of construction activities related to Sandia National Laboratory's (SNL) "Sanitary Sewer Line Relocation Project." The B-99 parking lot is located south of East Avenue on Sandia's side of the street, on the west side of Sandia's West entrance.

The project is expected to be complete and the parking lot fully re-opened to use by LLNL employees and visitors by Sept. 30.

The pedestrian gate into and out of the B-99 parking lot at the



traffic signal/pedestrian crossing on East Avenue, adjacent to Bldg. 113, will be closed during construction and a new pedestrian gate will be installed in Sandia's fence east of the traffic signal at the north end of the parking lot just west of Sandia's West entrance. In addition, bicycle and pedestrian traffic along the south edge of the roadway just west of the traffic signal will be re-routed through a safe zone installed by the contractor.

Motorists, cyclists and pedestrians are asked to take special care during construction and properly obey all posted signs and barriers in the area.

The B-99 parking lot will close for construction Monday, July 26, to Sept. 30. For further information, contact Anne Yang at Sandia National Laboratory, 294-1210.

BRIEFLY

Surrogate speeds down JASPER bore

The JASPER team fired a successful surrogate shot at 3:24 p.m. Tuesday, July 13, at the Nevada Test Site. This was the 30th consecutive successful shot at the facility. The surrogate contained no special nuclear material, but was in preparation for a future "hot" plutonium shot. The projectile sped down the bore at 5.61 km/sec, or just under 12,550 mph. Both flash-X-rays were timed correctly, and images are pending. All 19 target pins recorded. Because there was no SNM involved, containment was not a concern.

UC Selects Fidelity to administer 457(b)

At the July 14-15 Board of Regents meeting, the University of California announced that it has selected Fidelity Investments Tax-Exempt Services Company to provide record keeping and investment education services for its new 457(b) tax-deferred savings plan.

In May, the Regents approved the establishment of a new 457(b) plan to give UC faculty and staff expanded opportunities for tax-advantaged retirement savings. Given the current restraints on UC's information systems, the Regents approved the new plan contingent upon the selection of an external firm to provide the required record keeping and financial education services for the new plan.

The selection of Fidelity concludes a

four-month competitive bid process.

Additional details about the new 457(b) plan will be made available in time for participants to begin making pre-tax contributions near the end of the current tax year.

NPS speaker series continues

Arden Dougan, deputy director of the Radiation Detection Center, is giving a seminar entitled, "New Challenges for Radiation Detection Equipment for Homeland Security," at the Naval Postgraduate School today at 11 a.m. This is an ongoing joint seminar series between the two institutions as part of the MOU signing in March 2004. For information, call Brenda Foster at 3-8257, Kathi Noyes at NPS, 831-656-2098, or visit the Website at <http://npslectures.llnl.gov> There will be no speakers from NPS at the Lab during July and August. The series will resume in September.

Newsletter for security awareness

The latest edition of *Employee Security Connection*, a quarterly newsletter produced by the National Security Institute, is now available to LLNL employees. You can view it at http://www-r.llnl.gov/securityprogram/empl_sec_conn/vol_18_no_1.pdf.

Employee Security Connection provides information on a variety of security topics. This issue includes articles on targeting techniques used by foreign intelligence services, terrorism and workplace violence. If you wish to be on the distribution list for future editions of the *Employee Security Connection*, contact Amy Lovick, 4-6589,

or lovick1@llnl.gov. The newsletter will continue to be available via the Safeguards & Security Program Website.

Controlled items permit ready for use

The Security Department has unveiled an updated Controlled Items Permit Web page. A Controlled Items permit allows employees to bring a privately owned controlled item on site for work-related reasons or other special circumstances. If you would like to request a permit, visit <https://pfd-server.llnl.gov/cip/home/permit> and fill out the online application. If you have questions about the criteria for the authorization of controlled items on site or if you experience any problems with the Website, contact your Program Security Representative.

AIAG sponsors "Holidays in July" toy drive

The American Indian Activity Group (AIAG) is sponsoring a "Holidays in July" toy drive for the many (500-plus) foster children at the American Indian Child Resource Center and the Indigenous Nations Child & Family Agency, both located in Oakland. For the past five years, AIAG has collected toys and funds for the holiday season. This year the drive continues through July 30. Drop off points are as follows:

| | | |
|------------------|--------------|--------|
| Darlene Yazzie | Bldg. 132S | 3-7846 |
| Irene Massiatt | Bldg. 132N | 2-4281 |
| Michele Cardenas | Bldg. 571 | 3-2796 |
| Sandy Basso | Trailer 6526 | 3-3118 |
| Jim Johnson | Site 300 | 2-8918 |

For more information, call Darlene Yazzie, 3-7846.



NEWS YOU CAN USE

Summer Student Calendar

Summer students can spice up their internship by attending engaging seminars, panels, tours and events. Meet other interns and network with professional scientists and researchers. Visit the Student Bulletin Board at <http://education.llnl.gov/sbb/> for more information or to register for events online.

Friday
23

UC Berkeley Campus Tour

Come on a 90-minute walking tour of the UC Berkeley campus. Transportation provided. Meet in front of Bldg. 361 at 8:45 a.m. to catch the buses to the university. Contact: Vicki Burau, 4-6274.

Tuesday
27

ICST SEMINAR

Greg Pope from CAR/CADSE will present his talk on "Why Software Quality Assurance Practices Become Evil" at 1:30 p.m. in Bldg. 219, room 163.

Contact: Paula Ashley, 3-3691, or Greg Pope, 2-0534.

SOTG SEMINAR

Come learn about "How to Get into Grad School" from 8:30 a.m. to noon in Sandia National Lab's 904 auditorium. Beatriz Lopez-Flores, director of the Graduate Diversity Programs and Julia Morgan Engineering Program at UC Berkeley, will discuss details on getting into graduate school in a workshop format. Ta'Rhonda Mayberry from Sandia Education and Training will also present educational opportunities at Sandia. Contact: Jan Bachman, 294-4660.

Wednesday
28

SBB SEMINAR

MIT Nuclear Engineering, and Material Sciences and Engineering Professor Sidney Yip will speak to interns on "A Glimpse of MIT, Nuclear Engineering, and Multiscale Materials Modeling and Simulation" at 1 p.m. in the Bldg. 543 auditorium. He also will discuss graduate studies and research opportunities for students at MIT. Contact: Maureen Midkiff, 2-2626.

Thursday
29

SBB PANEL

In the last of a three-part panel series, selection committee representatives for various fellowships and scholarships will answer students' questions on "Graduate Opportunities: Fellowships and Scholarships." Come to the Bldg. 543 auditorium from 10:30 a.m. to noon with your questions. Lunch, as well as an opportunity to network with panel members, will be provided after the Q&A session.

SECURITY SEMINAR

Mark Graff, chief Cyber Security Officer at the Lab, will talk on "Ten Cyber Security Mistakes I Have Seen" in the Bldg. 123 auditorium from 10-11:30 a.m.. Contact: Paula Ashley, 3-3691, or Mark Graff, 2-0736.

Please send your summer student calendar items to Leslie Schwartz at schwartz16@llnl.gov

Technical Meeting Calendar

Friday
23

CHEMISTRY & MATERIALS SCIENCE/MATERIALS SCIENCE & TECHNOLOGY DIVISION

"Electron Probes of Molecular Dynamics," by Peter M. Weber, Brown University. 3:30 p.m., Bldg. 235, Gold Room. Refreshments will be served at 3:20 p.m. Contact: Wayne King, 3-6547, or Rebecca Browning, 2-5500.

INSTITUTE FOR SCIENTIFIC COMPUTING RESEARCH

"On Refractive Optical Flow," by Sameer Agarwal, UC San Diego. 9 a.m., Bldg. 219, room 163 (property protection area). For more information, go to <http://www.llnl.gov/casc/calendar.shtml>. Contact: Imola Fodor (CASC) 4-5420, or Leslie Bills, 3-8927.

LLNL/NAVAL POSTGRADUATE SCHOOL

"New Challenges for Radiation Detection Equipment for Homeland Security," by Arden Dougan, deputy director of the Radiation Detection Center. 11 a.m., Naval Postgraduate School. For more information, go to <http://npslectures.llnl.gov>. There will be no speakers from NPS at the Lab during July and August (Livermore only). The series will resume in September. Speakers from Livermore will be speaking at NPS in July and August. For further information, please visit <http://npslectures.llnl.gov>. Contact: Brenda Foster, 3-8257, or Kathi Noyes, (831) 656-2098.

INSTITUTE FOR SCIENTIFIC COMPUTING RESEARCH

"What Multilevel Parallel Programs Do When You Are Not Watching," by Gabriele Jost, NASA Ames/MRJ Technology Solutions. 10 a.m., Bldg. 451, room 1025 (property protection area). For more information, go to <http://www.llnl.gov/casc/calendar.shtml>. Contact: Bronis de Supinski, (CASC) 2-1062, or Leslie Bills, 3-8927.

Monday
26

PHYSICS & ADVANCED TECHNOLOGIES/V-DIVISION

"Novel Diagnostics For XUV Sources Improvement and for the Study of Warm Dense Matter," by

interviewee Sebastien Le Pape, Commissariat à l'Energie Atomique (CEA). 10 a.m., Bldg. 219, room 163. Contact: Stefanie B. Landes, 2-3201.

Tuesday
27

CHEMISTRY & MATERIALS SCIENCE POSTDOCTORAL PROGRAM SYMPOSIUM

The CMS Postdoctoral Program will hold its annual symposium from 9 a.m. to 4:30 p.m., Bldg. 155 auditorium and lobby area. The day will feature oral and poster presentations highlighting research accomplishments by the CMS postdoctoral staff. The day will end with the awarding of the third annual Harold C. Graboske Jr. Postdoctoral Award for excellence in postdoctoral research in the CMS Directorate, and a best poster award of this year's symposium. Contact Tom Arsenlis, 4-2584.

RADIATION DETECTION CENTER

"Semiconductor Gamma-Ray Detectors," by Paul Luke, Lawrence Berkeley National Laboratory. 11 a.m., Bldg. 151, room 1209 (uncleared area). Contact: Ron Wurtz, 3-8504, or Christie Shannon, 3-6683.

Wednesday
28

INTEGRATED COMPUTING & COMMUNICATIONS DEPARTMENT

A representative of Symantec Corporation will discuss the latest products and feature sets around Enterprise Security Solutions. Included will be information on Symantec AV 9.0, Symantec Client Security, Intrusion Prevention, and Enterprise Administration/Patch Mgmt solutions. In addition, Symantec will be discussing the latest acquisition of Brightmail, the market leader in anti-spam technologies presented by Greg Amori, Enterprise account manager. 10 a.m.-noon, Bldg. 361 auditorium. Contact: Mary Ann Chapeta, 4-4103.

CENTER FOR APPLICATIONS DEVELOPMENT & SOFTWARE ENGINEERING

McCabe & Associates will present a McCabe IQ/Battlemat tool suite demonstration. Attend if you have an interest in software development and tools. The demonstration will be held from 8 -10:30 a.m. or 10:30 a.m. -noon, Bldg. 451, room 1045, White Room (uncleared area). Contact: Vicki Pope, 2-3426.

Thursday
29

CENTER FOR MICRO & NANO TECHNOLOGY/NEW TECHNOLOGIES ENGINEERING

"Bio-Nano-Informatics (BNI) Fusion," by Chih-Ming Ho, UCLA. 9 a.m., Bldg. 235, room 1090 (Gold Room - "P") Contact: Raymond Mariella Jr., 2-8905, or Wayne Miller, 4-4472.

INSTITUTE FOR SCIENTIFIC COMPUTING RESEARCH

"Data Integration Research at Georgia Tech," by Ling Liu, Georgia Institute of Technology. 9 a.m., Trailer 3427, room 1220 Onyx Room (property protection area). For more information, go to <http://www.llnl.gov/casc/calendar.shtml>. Contact: Terence Critchlow, (CASC) 3-5682, or Leslie Bills, 3-8927.

INSTITUTE FOR SCIENTIFIC COMPUTING RESEARCH

"Words and Pictures," by David Forsyth, UC Berkeley. 2 p.m., Bldg. 219, room 163 (property protection area). For more information, go to <http://www.llnl.gov/casc/calendar.shtml>. Contact: Shawn Newsam, (CASC) 2-7392, or Leslie Bills, 3-8927.

INSTITUTE FOR SCIENTIFIC COMPUTING RESEARCH

"Evolution of Detonations and Deflagration to Detonation Transitions," by Nikolaos Nikiforakis, University of Cambridge. 3 p.m., Trailer 3427, room 1220 Onyx Room (property protection area). For more information, go to <http://www.llnl.gov/casc/calendar.shtml>. Contact: Bill Henshaw, (CASC) 3-2697, or Leslie Bills, 3-8927.

Friday
30

CHEMISTRY & MATERIALS SCIENCE DIRECTORATE

"NIF Symposium," hosted by Tomas Diaz de la Rubia. Speakers: "Use of NIF for Stockpile," by Charles Verdon. "ICF," by John Lindl. "NIF: Status and Plans," by Ed Moses. 9 a.m. to noon. Bldg. 155 auditorium. Contact: Deborah Irish, 2-9873, or Kathleen Moody, 3-8341.

NEWS OF NOTE



Physician's postage idea helps stamp out breast cancer

By Leslie Schwartz

NEWSLINE STAFF WRITER

Ernie Bodai received a stamp of approval from Lab employees who listened to his presentation entitled "Stamp Out Breast Cancer" on Wednesday afternoon as part of the ongoing LLNL/SNL 2004 Cancer Awareness Campaign.

As a surgeon of 20 years and the director of Breast Surgical Services for Kaiser Permanente for five years, Bodai has treated more than 3,000 women with breast cancer and became an activist for the continued development of funding for cancer research.

"In 2004 alone, 250,000 people will be diagnosed with breast cancer and 50,000 will die from it," he stated. "That's five new diagnoses every 15 minutes and one new death every 12 minutes. No matter what you hear or think, breast cancer is an epidemic."

Currently, there are 2.6 million people living in the United States who have been diagnosed with breast cancer, and 1.6 million who are undiagnosed.

On Christmas Eve in 1995, while preparing a presentation on the history of breast cancer research for the American Cancer Society, Bodai became overwhelmed by the shocking decrease in National Institutes of Health (NIH) funding for breast cancer over the past three decades.

Bodai pointed out that: "In the 1970s, NIH funded 60 percent of cancer research projects, whereas today they fund less than 20 percent. Four out of five projects put forth don't get funded."

As he was going through the graphics and visuals for his presentation, a novel idea dawned on him: Wouldn't it be a great idea to create a stamp that is priced a little higher than normal, designed to raise money for breast cancer research? It would be the first



JACQUELINE MCBRIDE/NEWSLINE

Ernie Bodai, director of Kaiser Permanente's Breast Surgical Services, discusses how he lobbied for the breast cancer postage stamp.

semi-postal or fund-raising stamp in U.S. history, and all the money would go directly back to supporting breast cancer research.

"Approximately 180 million first-class letters are mailed yearly in the United States," Bodai said. "If you add a penny on to the price of postage, and half of those letters use this new stamp, the money really adds up."

Bodai took his vision and turned it into a reality, writing the U.S. Postal Service and lobbying Congress in order to get the word out. "When I started, I didn't realize I was becoming a lobbyist," he admitted with a laugh. "I had to go to the library and check out an eighth grade civics book to relearn how a bill becomes a law."

After nearly a dozen trips to Washington D.C. and little positive response, Bodai decided to visit congressional representatives in person to discuss his cause

and his passion for finding a cure for breast cancer.

"Appearing in person made all the difference in the world," he recalled. "They realized I wasn't lobbying for money or for congressional lines to be redrawn. All I wanted was a stamp."

Though he met some initial opposition, his persistence and drive for helping support breast cancer research was strong enough to create a "grassroots" following, and eventually he helped introduce a bill to Congress. After one and a half years of hard work, the bill passed 422-3 and was signed by the President in 1997. The stamp was introduced into the commercial market in 1998.

"It's the only stamp issued by the U.S. Postal Service that actually saves lives," Bodai said. "It's a very powerful tool for women's health because every cent goes to breast cancer research."

More than 560 million stamps have been sold nationwide, raising \$50 million to improve the lives of people with breast cancer and to help find a cure for the disease.

Bodai is currently working with Olivia Newton John on a global mission to get the stamps issued around the world, making the breast cancer research stamp the first stamp ever to work globally for a cause. Nearly a dozen countries have joined in their efforts to "fund the fight and find a cure."

This year's Cancer Awareness Campaign wraps up with the final event, "Survivors and Caregivers" at 12:15 p.m. on Tuesday, July 27, in the Bldg. 361 auditorium. The panel is made up of Lab and Sandia survivors and the loved ones who provided care and support. For further information, contact Mark Costella, 2-8999, or Cathy Kaplan, 3-6555.

Relay for Life teams raise \$156,000 for advances in cancer research

By Leslie Schwartz

NEWSLINE STAFF WRITER

They are known as "He Ho Jo Ha Lo He" — that's Health, Hope, Joy, Happiness and Love = Healing — and they gathered at the Livermore High School track recently to participate in the 2004 Livermore Relay for Life Run/Walk.

The 27 Lab employees, family and friends — all decked out in tie-dye shirts — came together under the special team theme of complementary therapies for preventing cancer, dealing with treatments, and post-treatment healing. Lab employees participated in the relay also as members of four other teams, including Cancer's No Picnic, Clean-up Cancer, Lab Fire Dept., and Celebrate Life.

The "He Ho Jo Ha Lo He" team offered resource materials, massages, energy healing, readings, face painting and temporary tattoos for participants at the relay. They successfully raised more than \$6,000 for cancer research, contributing to the total of \$156,000 that the Livermore Relay collected overall.

Cathy Kaplan, team captain for He Ho Jo Ha Lo He, co-chair of LLNL's 2004 Cancer Awareness Campaign, and two-year cancer survivor, feels that the relay is a "powerful" event that makes a tremendous difference in the lives of cancer victims and survivors.

"If not for the money raised through Relay for



Lab employees, families and friends participate in last month's Livermore Relay For Life as members of the "He Ho Jo Ha Lo He" team.

Local Relay for Life events

| | | | |
|------------------------|---------|---------|----------------------------|
| Danville | July 24 | 9 a.m. | 140 Love Lane |
| Concord | July 24 | 10 a.m. | Track and Field |
| Cupertino | July 24 | 10 a.m. | 21250 Stevens Creek Blvd. |
| San Carlos/ Belmont | July 31 | 10 a.m. | 1400 Alameda De Las Pulgas |
| Watsonville | Aug. 14 | 10 a.m. | 2601 East Lake Ave. |
| Rio Vista | Aug. 28 | 9 a.m. | 410 S. 4th St. |

Life, I may not have been able to take advantage of the advances in research and technology that allowed me

to survive my cancer," Kaplan said. "There is nothing quite like the feeling of belonging, and to belong to a group of survivors, some you know, some you don't. Every cancer survivor should have an opportunity to feel that and experience the joy of walking the survivor lap. It is for the survivor's lap, and to give back to those who take the time to contribute to saving other's lives, that I participate in Relay for Life."

Lab employee Darrin Valentine, part of team recruitment for the Livermore relay, along with Kenneth Rovasio, was equally excited with the increased turnout at this year's event. Their hard work recruiting new teams, more than doubled the 23 teams of the 2003 relay to 52 this year, and the 2004 relay raised \$66,000 more than the previous year.

With goals of "creating awareness" and educating others about cancer research, Valentine hopes the relay is a way to get the word out and help garner continued support to fight cancer and honor survivors.

For additional information on the Livermore Relay for Life or to get involved, contact Darrin Valentine, 3-9815 or Kenneth Rovasio, 2-9818, or to find a local Relay for Life team in your area, visit http://www.cancer.org/doc-root/GI/gi_1.asp and search "In my community" for upcoming dates and locations.



CLASSIFIED ADS

For viewing ads on or off site. . .

Onsite: <https://www.ais.llnl.gov/newsline/ads/>
 Offsite: <http://www.llnl.gov/llnl/06news/employee.html>

AUTOMOBILES

1999 - White Isuzu Trooper - Excellent condition, New tires/balance/alignment, Multi-CD player, Moonroof, 4WD, only 67,000 miles, \$8,500.00. 209-823-9632

2000 - Toyota Camry CE 4D Sedan, silver, perfect condition, 4cyl., 2.2L, loaded, 70K miles, Auto-trans, alloy rims, CD, tinted windows, \$8,900. 925-736-7507

2000 - Mercedes ML430 SUV V8, automatic, AWD, Fully Loaded, leather, all-power, Nav Sys, super clean, 48K miles. \$23,000. 925-426-8183

1997 - Ford F150 4.6L V8, Auto, 109.5K miles, Extended Cab, 3rd door, A/C, pwr locks, windows, Tow package, alarm, bucket seats. Excellent condition. \$8600 209-538-1568

1986 - Honda CRX 5 sp. New clutch, smog, 2005 license \$800 209-957-3289

1996 - Mazda MPV MiniVan. Moving, must sell. Great commute, family vehicle. Well kept. Original owner, PS, PB, PW, AIR FRONT AND REAR, Great shape. 209-983-8372

2000 - Blk conv. corvette, blk leather interior, LS-6 engine, 16k miles. Over \$11k invested in custom upgrades. Serious inquiries only- \$35k obo. 925-366-1212

1998 - Plymouth Voyager SE, 3.3L V6, AT, Front/Back AC, 2nd row Bucket Seats, Sunscreen Glass, Power Windows/Locks, Keyless Entry, 92000 miles, \$4500. 510-537-8541

1999 - Honda Civic VP, 47K miles, keyless entry, sunroof, powerlocks, CD player, great cond, \$9000 B/O 925-924-0286

1998 - Dodge Grand Caravan SE for sale, 89K miles, good condition, built in child seats, automatic windows & locks, alarm & keyless entry. Asking \$7000. 925-606-0825

1989 - Jeep Wrangler black, V6, 4wheel drive, 130k mi., 10k on new engine, pwr str., hardtop, CD, new interior, offroad tires, 2inch lift, \$5,500 obo. 925-455-6684

1998 - Dodge Grand Caravan, 76000 miles, runs great, clean, some blemishes, PW/PL/PM, AM/FM/TAPE/CD changer, warranty, \$10,700 OBO. Call after 6pm 209-474-9118

1998 - Mustang Cobra SVT with Roush package. \$2K stereo system. \$14,500 or B.O. 209-836-0105

1994 - Toyota Corolla. Good condition. 162k miles, Manual transmission, Power steering, Air Conditioning, and CD player \$1600 obo. 925-736-4917

2000 - Outstanding condition Toyota XLE Minivan. Transferable warranty, low miles, loaded everything. \$19,700/obo 925-785-3737

AUTOMOBILE ACCESSORIES

Mopar Six pack set-up 340 cid. New Edelbrock manifold and New Holley carbs. Includes choke, Air cleaner. \$1500 925-371-0318

Diamond plate tool box for sale. Fits Dodge Dakota bed behind cab. \$100. 925-679-2432

4ea 16x7 8 lug stock chrome wheels & caps for ford excursion 4x4 \$100, 4ea 14x6 6 lug chevy older mag style \$50 209-833-0636

New Gm 4l60e Transmission Rebuilt By J.E.T. W/Torque Converter \$800 O.B.O. 209-952-4168

Porsche floor mats for Porsche 911, camel color with Porsche logo. Never been used and still in box. Paid over \$100. Only \$50 for all 4 mats. 925-648-0671

Diesel Fuel Tank (~500 gallon) on raised stand with filter, hose and nozzle. Call for pictures. \$300 obo. 209-499-6607

LEIGH CAMPER SHELL--Aluminum Camper with welded lumber rack. Fits shortbed Toyota, Nissan, etc. Excellent condition. \$400.00 925-447-6834

Michelin Symmetry Tires, 225/60-TR16, 98T Load Rating (2004 Honda Odyssey OEM Equipment). Less than 1,000 miles usage. Perf cond. Set of 4, \$325.00. 510-489-6030

1997-99 Ford urethane roll pan \$150. 1997-99 Ford 150 Phantom Bumper Grill \$50. 925-550-3809

BICYCLES

1999 Dyno Dynoglide Cruiser. Purple. Beautiful. Comfy. \$100. 925-461-5093

TREK 800 Sport Mountain Bike: This bike is in excellent condition: still looks brand new: 21 speed with a Blue/Green Color scheme. \$200.00 209-957-5640

BOATS

1994 Ranger 391v w/ 200 efi, tandem trailer, new rubber, new brakes, new travel cover, extras \$12000 o.b.o 209-835-8632

1998 18ft Blue Water IO, 190 Merc HP, Stereo-am/fm cassette w/4 speakers. Bimini Top, Bow Cover. Trailer w/Detachable Tongue &

more. \$10,500 or BO. 925-449-4326

Bayliner 19ft Capri In/OutBoard Volvo4cl runs good w/canvas, fish finder, galv.trailer w/new hubs, bearings, tires \$3500 209-836-2737

CAMERAS

Cannon Rebel great condition w/Carring bag. \$125.00 OBO 925-980-6190

ELECTRONIC EQUIPMENT

Canon i900d color printer. Brand new, never-opened box. Retail at \$240, asking \$200. 925-371-7084

GIVEAWAY

Dog house - Dogloo brand. Some chew marks but good for shelter. 925-455-4484

FREE 8ftx8ft HOT TUB YOU PICK UP IN MODESTO. 209-574-0939

20 ea 12in x 12in cement stepping blocks; 1 ea wooden, oblong, end table w/door 13inW x 22inL x 20inH. 925-447-1181

20 to 25 cubic yards of clean soil from my yard in Livermore. You haul, I can help load some. 925-243-1475

Dark colored wood headboard/footboard for double bed. Matching 6-drawer dresser with mirror. 2 campaign style 2-drawer end tables. 925-455-5433

Six floor to ceiling mirrors (8 feet x 12 inches). Five are in great condition and one has a small chip in the bottom corner. 925-447-4725

Sony Video8 Handycam, CCD-F77. Needs work but was only used to make about 8 tapes total. Original owner--took beautiful videos. 925-426-9886

HOUSEHOLD

Sofabed, chair & ottoman, peach & white striped. Very good cond. \$400.00 b/o, call 925-443-2745

Oak desk, 5-drawer, 2 file drawers, good condition \$120 or BO. Overstuffed chair, tan and brown strip, good condition \$85 or BO. 925-606-5808

Cal King Bdrm set, 5 piece including mattress set. \$850 925-679-3393

Diaper Genie Diaper Pails (2) - odor free diaper disposal option. \$5 each. 209-833-9141

Black and Decker 7 1/4 circular saw. \$25. 925-648-0671

Beautiful 5-piece sectional couch. Has 2 recliners and a queen-size sofa bed. Blue. \$700 or best offer. 209-832-2281

Pine bedroom furniture. 2 dressers (1 6-drawer, 1 tall/narrow), night-stand, TV stand. Good Condition. \$450.00 for all. Will e-mail picture. 925-872-1584

Super Single Waterbed, Bookcase headboard, excellent condition, needs heater. \$100.00 209-599-4644

Solid oak desk, good condition, 6 drawers: 3 LH, 2 RH (one for hanging files), center drawer locks, 62L x 24W x 30H, \$149 OBO. 925-846-1237

CHERRYWOOD HUTCH by Basset, like new, full size with internal lights. \$800. can email pics. 925-516-4083

Table saw, Delta 10in, 1.5 HP, 115/230V, retrofit w/32in Unifence, still have original fence, w/stand, mobile base & dust collector \$400. 209-239-8984

Armoire for Sale. Solid dark wood. Two doors, and four drawers about five feet high. Buyer must arrange delivery. Picture available \$40 obo 805-748-6829

Oval kitchen table w/4 matching chairs. Butcher block top, white base. \$75 OBO. 925-784-6158

Flotation waterbed, queen size with frame, tubes for wave isolation, excellent condition \$100.00. 925-443-5324

PLATFORM BED - 3yrs old - beautiful with 10 drawers under it. Cal. King. includes headboard. MUST SEE - \$250 925-455-8455

Oak kitchen table with 6 chairs \$150.00, Oak coffee table \$100.00 (Both in excellent condition) 209-239-0661

LOST & FOUND

Lost regular prescription glasses in brown case with blue cleaning cloth. Left in bicycle basket July 8. Contact 3-4634 or 925-875-1268

MISCELLANEOUS

PIG 4 SALE! Have till July 17th or July 26. \$2 a lb OBO 925-447-2331

Hot Wheel T-Wrecks playset, \$20. Great for

Newsline and classified ads

Current and past issues of *Newsline* are available from the *Newsline* archive on the Web. The latest edition of *Newsline* is usually posted on the Web the afternoon of the Friday it appears. To access the archive: <http://www.llnl.gov/llnl/06news/employee.html>

Newsline also is available in the publication alcove at the front of the new Livermore Public Library in the Civic Center. The latest editions are delivered to the library at the close of business Friday.

boys 4+. List price \$59.99. Brio/Thomas over-pass bridge \$10. Discovery Toys Safari Gears \$10. More . . . 925-454-0877

Car cover 10 feet x 20 feet. Excellent condition. New \$160.00. Selling for \$90.00. 925-606-5808

Brand new spa cover 8ft x 8ft dark blue. sells new for \$239.00 yours for only \$150.00. call after 6:00 pm 209-574-0939

4ft X 6ft Solid oak entertainment center w/glass accented doors, like new \$250.00. 925-447-8291

Little Tikes Workbench, larger than current model \$65. Today's Kids Pirate Ship Toy Box \$35. Both excellent condition. Call for e-photos. D209-833-9141

The Dead Zone complete second season on DVD. Brand new, still in wrapper, never opened. Paid \$40. Only \$25. 925-648-0671

Items for sale: Brass porthole, old anchors, ships wheel, old blow torch with soldering iron, old bucksaws, other items. 925-447-1009

10 inch table saw With spare blades. \$100 209-957-3289

49er tix (2) pre-season vs SD Chargers 9/2/04. Upper Box 33, Row D, \$64 each (face value). 925-447-6784

Two 3 dwr maple nightstands. \$25 OBO. Honey oak entertainment center w/display case and storage. \$75 OBO. 925-784-6158

kirkwood 2004/2005 season pass for \$349. unlimited use. if interested pls respond by 7/22. 209-983-9442

Large stand for heavy bag and speed bag, incl. 80 lb. heavy bag + gloves, little used, call for pictures, \$200, pick up in Tracy. 209-832-5388

GARAGE SALE on 7/17 from 8-12 at 4672 Sarah Ct. Livermore. Clothing, lamps, toys, sports gear, tables. 925-989-4763

GARAGE SALE - HUGE! July 31 7-2pm dressers, beds, baby furn, clothes, toys, movies - 3877 Stanford Way, Jenson/East 925-455-8455

SF 49er tickets. Many games available. Upper Reserved section. 2 seats \$65/each (face value) 209-599-9942

Clarion Travel System (infant seat/stroller) by Graco w/ LATCH. Used <4 months; excellent condition; paid >\$180 new, asking \$125/OBO. 925-960-9972

Spa Cover, 85 inch diameter. Like new, only one year old. Asking \$50. 925-449-6740

MOTORCYCLES

1997 - Harley Davidson FLSTS \$12,400. Great bike, I just do not have the time to ride... 925-449-4182

1981 - Yamaha Verago 900 twin-shaft drv MAG-wheels garaged \$750 Rick 209-836-2737

1998 - Suzuki DR350SE Dual Sport, 5K ml. Very good cond. Wife drives it, \$3K OBO. 209-832-4535

MUSIC INSTRUMENTS

Wanted for underprivileged children: A small piano: a drum set (will pay up to \$100 each); an electric guitar (will pay up to \$40). 925-447-2076

PETS & SUPPLIES

German Shorthaired Pointer Pups Genuine 100% Hunting Machines AKC registered parents have 15 FCIs in the lineage 4 Females / 3 Males. 916-797-9955

Pet Guardian underground electronic fence. Comes with two collars. \$40.00 925-447-1977

Horse boarding, near Pleasanton fairgrounds, feed twice daily, large shaded paddocks with stall \$200, roomy shaded pasture, no barb wire \$175 925-784-5850

MOVING Must Sell, Two breeding Bearded Dragon Lizards. Includes cage and the works, including incubator. Leave message if before 5:30 pm. 209-983-8372

Looking for a summertime project and love animals? Rescue group looking for volunteers to foster shelter animals. Very rewarding! 925-980-1564

Rescued kittens looking for loving forever homes. Please consider adopting one or two! \$70 adoption fee includes shots and spay/neuter 209-833-0607

Free 12 week old male puppy. balck/white 925-525-1461 925-606-0309

FREE 5yr.old indoor/outdoor tuxedo cat needs a "real" cat people home; he is not happy w/ us! Bed/litbox/dish/carrier incl. 925-922-0954

Looking for someone to re-cover (cat) play house. The structure is roughly 6ft high and I may be able to provide the materials. 925-447-1428

RECREATION EQUIPMENT

Aero inflatable pool with rechargeable pump, 11ft x 6ft. Google search Aero Family Quick Pool for details. \$30. 925-454-8827

Kool Stride Lil Deuce Double Jogger in excellent condition. Best jogger made. Includes rain shield. \$200.00 925-447-1977

1986 El Dorado motorhome, 29 ft C class. 46K miles with lots of options. \$10,000. OBO. 925-456-3010

Snow Skis Ladies medium skis poles boots size 8 1/2 pants lock \$30.00 925-699-7619

Star Wars I The Phantom Menace and Star Wars II Attack of the Clones videos. Unopened, still in wrappers. \$15/both 925-648-0671

Golf equipment - clubs, bags, \$10-\$25 per item. Call me for the list. 925-485-1988

MALLETTE FIBERGLASS DIVE BOARDS - one in good condition, one needs patch work. \$50.00 each 925-447-6834

Soccer Cleats Kelme red and white soccer cleats, mens size 7 (ladies size 8.5). Worn once, excellent condition \$30.00 firm 209-598-7320

RIDESHARING

Express your commute, call 2-RIDE for more information or visit <http://www-r.llnl.gov/tsmp>.

100 Mile Radius of LLNL - Johnson Controls offers its employees at LLNL a Guaranteed Ride Home program. To register call for more details. 925-960-0369, ext. 0-0361

Stockton - Fourth driver/passenger needed for carpool from Stockton. 9-80 alternate work schedule 7:00-4:45. 3-5468

Modesto - Permanent rider positions available on luxury van departing OSH at 6:40 am, leaving LLNL 4:30 pm. 209-545-3866, ext. 3-8056

Sunnyvale/Cupertino - Looking for additional members for carpool from Sunnyvale/Cupertino area. On 9/80 AWS, hours 7:15-5:00. Contact 408-773-8396, ext. 3-3170

Danville - Fourth driver/passenger needed for carpool in downtown Danville to the Lab daily. Call at 422-2567 (work) or (925) 648-4877 (home). 925-648-4877, ext. 2-2567

RIPON - Room for Rent 1458 Denise Dr. Ripon, CA 95366, \$400/month, w/deposit, with full house privileges, pay half utilities, NO PETS (209)823-7665 209-823-7665, ext. 3-9300

SERVICES

FREE Pampered Chef kitchen products when you host a kitchen show. Call me for details 925-447-1977

AFFORDABLE House Cleaning - Responsible & Reliable. Weekly, bi-weekly or one time services. Surrounding Livermore and Tracy areas. 925-292-0944

Classic Hollywood Glamour style portrait & promotional photography - Livermore studio or location - 925-449-0107

SHARED HOUSING

Livermore - 2 rooms for rent, \$400 and \$500. Mature adult only, no pets, no smoking. Full privileges. 925-447-6218

Pleasanton - Room with private bath in 2 bedroom/2 bath condo. \$600 includes utilities. Female only. NS/NP. Available 8/1/04. Contact 925-699-0465

TRUCKS & TRAILERS

2002 - Wilderness 5th Wheel, 35ft, 3 slides, Excellent Condition. Can e-mail photos. \$34,000. 209-824-9040

1994 - Chevy P/U Ext. Cab, Z71, 4x4, Step-side, White W/ Grey Int. P/W, P/L, Tilt, P/S, Cc, Shell, Bedliner, Orig. Owner 177k Miles, 6300.00 Or Obo. 925-443-5008

1997 - chevrolet 1500 ext. cab pickup, at, ps, at, cruise, pw, hard bed cover .92k miles, \$8700. obo. 209-823-0508

RBW 5th wheel hitch 15k. Sells for \$399. Selling for \$125.00 925-606-5808

1981 - Class A motorhome in excellent running condition w/ 73K miles. Chev. 454, generator, awning, slps. 7. Original owner. \$5,000/make offer. 925-829-4946

2001 - Dodge Ram SLT 1500, 4wd, 66k miles, power lks&wdws.cd, cruise, over-head digital read out, rear slider, bed cover. 14,500 obo. call joe 209-835-9105

1993 - Toyota Dix Xtra Cab Pickup. 4cyl, 2.4 liter, 5 spd man, white, 71K, ex cond, 1 owner. AC, AM/FM cass st, shell. RV tow eqpmt avail. \$5,200. 925-447-1520

2002 - Toyota Tundra SR5 Access Cab. V8, 2WD, 22,400 miles, 1 owner perfect condition. \$19,900. 925-463-1832

1991 - 1991 Chev Road Trek Custom RV Van 68K miles, excellent condition, AC, Stove, Refer, TV \$14,500 or BO 925-829-0812

1998 - Dodge 1/2 Ton, 4X4, Long Bed Laramie SLT, Lumber Rack, Tool Box, Bed Liner, good tires/ 180K Miles, Nice Truck Bluebook \$8100 - Asking \$7500 925-575-4210

1996 - Dodge Ram 1500 Laramie SLT. Black with black camper shell. 51,700 Miles. Excellent condition. \$10,500. Call after 6:00 P.M. 209-830-0112

1997 - 97 Ford Ranger XLT Flareside, 4Cyl 5Speed Manual 91kmiles CD, Sliding rear window, Bedliner, A/C Runs great.. \$4500 OBO 209-835-9523

1997 - Chevy Silverado Z71 4x4, ext. cab, oversize 4-wheel tires/rims, flowmaster exhaust, lift kit, CD, A/C, bed mat, ss bed rails, tow pkg, 142K miles, \$10,500 OBO. 209-848-9157

VACATION RENTALS

Mau, HI - Kahana Reef oceanfront 1BR/1BA condominium. Beautiful two-island view, oceanside pool, and BBQs. LLNL rates for year-round reservations. 925-449-0761

San Diego Area (Carlsbad) - 3 bdrm 2 bath townhouse, Dec 19-26, 2004. \$935/week or \$600 for Dec. 22-26. 925-449-6048

SOUTH LAKE TAHOE - 3 Bedroom 2 bath Chalet, nicely furnished, quiet area, all amenities, Park w/lake, tennis, etc. Great for vacation. HURRY FOR OPENINGS. RESERVE NOW! 209-599-4644

Lake Tahoe: - Charming Tahoe Keys three bedroom two bath condo available August-September. Pools, beaches, tennis, bicycling, dock. Discount, 925-424-3999, 925-961-1517

WANTED

1974 - Looking for an old ford F-350 would be nice. 4 door. 4x4 925-447-2331

ABRAHAM

Continued from page 1

inform him of their satisfaction that the newly implemented corrective actions provide for complete and verifiable custodial control of such media.

On Thursday, Nanos announced the laboratory has placed 19 employees on investigatory leave following the loss of two pieces of CREM and a laser accident that left an intern injured. Employees placed on leave include those involved in both incidents and at all levels of job classification, Nanos said.

In an all-hands discussion to LANL employees Thursday, Nanos defended his call for a stand-down of all operations. He told employees there are three things they must demonstrate to get back on track:

- Awareness and understanding of the seriousness of the situation.

- Intolerance of others at the lab who are incapable of getting the message.

- Commitment and determination to get behind fellow employees to solve these problems and put LANL back on its feet.

Nanos told his employees' "pride needs to be exchanged for some humility and their future success has to be built on excellence not on arrogance."

He cautioned employees that if a cultural change does not take place, much of the work the lab has been entrusted with "will migrate" to other labs.

Given the broad nature of the classified activities underway at the lab and likely differences in the ability of some divisions to implement security modifications more quickly than others, both Abraham and Nanos said restart of the various operations will take place in stages rather than all at once.

The department will continue to insist that the University of California take strong measures to ensure that

the laboratory corrects the systematic flaws that allowed this problem to occur. To bolster this effort, the local site office will be augmented with additional security specialists from DOE Headquarters.

UC Vice President for Laboratory Management Robert Foley said UC looks forward to working with DOE.

"The University of California strongly supports and is working with Secretary Abraham in his efforts to address the security and safety matters at Los Alamos," Foley said. "UC supports the immediate implementation of all necessary improvements to security and safety procedures to ensure that the secretary and the American people once again have confidence in the lab and its employees."

McSlarrow and Brooks will continue to oversee the investigation and keep Abraham fully briefed.

"The investigation will continue to place the highest priority on locating the missing material," Abraham said.

COMPUTER

Continued from page 1

Once inside, the worm quickly spread through e-mail, by harvesting e-mail addresses from the infected computer and then sending forged e-mails with infected attachments to those same addresses. Employees were fooled into opening the attachment, because the message appeared to be from someone they knew. This ploy is commonly used to trick people into executing malicious code by clicking to activate it. Opening the attachment launched the worm and infected the computer. The Network Security Team is still investigating the source of the internal infection.

This was a new variant of the Beigel worm. The Lab's anti-virus vendor did not have virus signatures when it was originally launched. E-mail attachments from

Boost your cyber-security I.Q. for free

With worms aplenty in the cybersphere, the Lab will host a free course for employees that covers the most important topics and skills for an information security team, while offering the language and underlying theory for computer security. This course is applicable to employees at all information-technology skill levels.

According to Training, Education and Awareness Manager Linda Dibble,

the Department of Energy Cyber Security Office — at no cost to employees or their organizations — will sponsor the program, called "SANS Security Essentials, Track 1." According to Dibble, as long as there are openings, free enrollment will be available to all DOE employees and contractors through July 30. The course begins Monday, Aug. 2. For registration or more information, visit: <http://education.llnl.gov/cso/llnlsans/>.

external sources were blocked because of the Lab's e-mail attachment blocking policy. This measure prevented infection from malicious external e-mails.

But once the worm had penetrated the Lab, the mali-

cious code propagated quickly, clogging e-mail servers. Numerous systems were blocked from Internet access until anti-virus vendors released signatures for this Beigel variant, which did not cause any damage but did result in e-mail delivery delays.

The Network Security Team strongly recommends that if you receive an e-mail with an attachment

from someone you know, but were not expecting this e-mail or

from someone you think you know, but were not expecting this e-mail or

from someone you don't know or whose e-mail address you don't recognize to contact the sender prior to opening the attachment, and confirm that the individual intentionally sent it

to you.

If you are unable to perform this step, then do not open the attachment. Delete the e-mail message immediately, including the attachment.

POOL

Continued from page 1

His preliminary evaluation identified that the pool decking's structural integrity has deteriorated with catastrophic failure possible. Cracks on the deck allowed penetration of moisture and chlorine to the rebar within the deck. The resulting corrosion has caused significant spalling of the concrete on the deck underside. Previous observation of the deck underside 18 months ago did not reveal the serious degree of deterioration visible today. Structural engineers from LLNL validated the external pool expert's assessment based on their own inspection of the decking underside.

In addition to structural degradation, there are other code concerns that would be expected in a pool of 60-plus years.

"I'm aware of the passion and enthusiasm of people using the swimming pool," Mara said. "But we will not compromise safety. I can't have people in an area where there is a clear and present danger."

Laboratory Services is now in the process of bringing in more external experts to evaluate the situation. A final report on the structural concerns and options for the

future of the pool is expected in about a month.

The Lab swimming pool, originally constructed in 1942 when the Lab was a Naval Air Station, was built as a training facility. In the mid-1950s, the pool was reconfigured as an Olympic-style swimming pool.

Today, between 50-100 swimmers, including Lab, Sandia and DOE employees and retirees, use the pool daily. LLESA networking groups such as the kayak and scuba diving clubs also use the pool.

Over the years, the Laboratory has spent more than \$1.6 million on pool facilities, upgrades, recaulking and resealing. Mara also said that maintenance and heating costs are rising. The annual costs to maintain, repair and heat the pool can range between \$200,000-\$575,000, depending on specific repair and/or maintenance needs in a particular year.

Mara said building a new in-ground pool of similar size would cost between \$3 million to \$4 million.

"I know this is an asset that employees value, but at this moment I can't tell you what the future holds for the pool," he said. "We'll need the complete structural assessment and some time to develop our options before we can reach a final decision."

Managers are planning to meet with Livermore Area Recreation and Park District officials about using the

Robert Livermore Community Center pool as well as other community facilities. The pool at the May Nissen Community Park and Swim Center at 685 Rincon Ave. is open through the noontime hour to accommodate Lab swimmers.

Mara committed to keeping the pool users informed of the progress made by the external experts and any decisions that Lab management makes. Information will be posted on MyLLNL, as well as in *Newsline*.

More information on the pool issues, including pictures of some of the structural concerns, can be found on the front page of MyLLNL (<https://www-r.llnl.gov>) under special announcements. LLESA also is in the process of developing a Web page with pool information.

If you want to subscribe to the pool information mailing list, go to <https://lists.llnl.gov/mj/user-commands.html> and specify llesa-pool mail list.

"We understand that for 50-plus years, the pool has been an integral part of Lab life here," Mara said. "For many swimming is the immediate exercise of choice and best meets their exercise needs. We've addressed the safety concerns. The job now is to complete our assessment and develop options that can best meet the needs of today's Laboratory."

WATER

Continued from page 1

situation in California," Duffy said Wednesday during and Energy and Environment Directorate colloquium talk. "Water availability in the West is a problem. We don't get the water in the time and place that we need it."

Earth's surface temperature has warmed by 1 degree Fahrenheit from 1860 to 2000. Duffy said that global climate models predict that the Earth's temperature will increase anywhere from 1.4 degrees Celsius to 5.8 degrees Celsius by the year 2100.

"Global warming is definitely going to increase in the 21st century," Duffy said.

Observations of earlier snow melt and a decrease in late spring and summer river flow rates show that California is getting warmer, Duffy said. He said recent winter river flows have increased and

spring river flows have decreased, showing that the snow in the Sierras is melting faster and causing a shift in the timing of mountain runoff.

California is not able to capture that increased wintertime runoff because the state's reservoirs during that time of year (winter months) are typically as full as they are allowed to be.

"We're seeing a trend of less water when it's needed and more water at the wrong time," he said.

Climate models agree that it will get significantly warmer in California, although they do not agree if there will be more or less precipitation. Summers will also become warmer, but the temperature increase will not be as great as the winter increase. Most of California's precipitation falls in winter, and in the future more of it is likely to fall as rain, less as snow, a change that is likely to lead to increased winter runoff and decreased summer stream flow.

The group claims that the hotter and drier sum-

mers with decreased summer stream flow in California would exacerbate demands for water in the state.

"The climate models agree that California will get warmer in the next century, from 3 degrees Celsius to 5 degrees Celsius," Duffy said. "This is a lot and it's going to have consequences. Later in the century, there could be a heck of a lot less snow in the northern Sierras."

Duffy displayed recent diagrams that show how the snow pack in the northern Sierras has decreased, with the region experiencing more rain than snow and undergoing earlier snow melts than in previous years.

In his role as director of the Institute for Research on Climate Change and its Societal Impacts, a University of California Intercampus Research Program, Duffy is working with federal, state and regional water managers to show the impacts of climate change on water availability and flood risk in the state.

Out of sight burrowing owls hole up at Site 300

The western burrowing owl is a species adapted to grassland ecosystems. Grassland animals share characteristics that are uniquely derived from their habitats and differ from animals found in other habitat, like chaparral or forest environments. These characteristics help them survive the localized conditions of open plains and restricted resources.

One of the more noticeable and common traits of grassland fauna is the abundance of burrowing species. Ground squirrels and deer mice are well known fossorial animals, but many reptiles, some amphibians and even a bird — the burrowing owl — spend time underground in rodent burrows as well.

Burrowing owls prefer to live underground for several reasons. Typical grassland ecosystems provide little cover or places to hide from predators. Secondly, climatic variation may oscillate widely and underground life offers more constant and safer temperatures throughout the year. Lastly, a burrow represents a safe place or refuge from grassland fires that typically pass over burrows quickly and with lower temperatures than the woodland forest fires.

Burrowing owls presently live at Site 300, and as recently as 1997,



Left, a rodent burrow serves as home to the western burrowing owl. Above, a family of western burrowing owls peek out from their nest. Right, an adult steps out its burrow.



By Jim Woolett

have been seen nesting at the Livermore main site within the north buffer zone. The owl is about nine inches tall and is quite active in the daytime, contrary to other owl species. It hunts a variety of food sources, but usually relies upon mice during the winter and large-bodied insects (like the Jerusalem cricket) in the summer to forage

upon.

It occupies burrows previously excavated and abandoned by ground squirrels or badgers. These burrows are generally between three to six meters in length and end in an antechamber that serves as the nesting area for young. A productive nest may have five to eight owl nestlings visible in June at the burrow entrance. Much is known about the owl from studies performed during the breeding cycle when the birds are quite visible. But much less is known about its winter habits and localized or long distance migrations that may occur into and from this area of California.

Besides the dry, open grassland habitats, burrowing owls may be seen close to human habitations such as golf courses, airports, vacant lots in residential areas, right-of-ways and any place potential subterranean burrows are present. These flatland areas in the central valley and bay areas are also prime building locations and are rapidly becoming areas developed for human use.

The bird is now found only in a fraction of its historical range in California. At LLNL it receives protection through

measures designed to safeguard active burrows of the local owl population. In the next decade, LLNL burrowing owls may be one among the remaining populations in this region.



CHRIS ALDRETE/NASA

Signs of safety



DAVID SCHWUEGLER/NEWSLINE

All temporary stop signs along Fifth Street at the Avenue A and Avenue B intersections have been removed, and Fifth Street has become an east/west through-street between West Perimeter Drive and West Inner Loop. Motorists driving in the north/south directions on Avenue A and Avenue B must continue to stop at Fifth Street as directed by permanent stop signs.



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